

#### ABSTRACT OF THE DISCLOSURE

A current controller includes a pulse width modulation signal outputting circuit, a saw-tooth-wave signal generating circuit, a command value smoothing circuit, a detection value amplifying circuit, a deviation integrating circuit, and a current controlling circuit. The current controlling circuit controls a current caused to flow through a solenoid on the basis of a saw-tooth-wave signal having the same period as that of a pulse width modulation signal, and a detection signal generated by the deviation integrating circuit.